



Agenda # 9  
Commission Meeting Date:  
July 17, 2012

**CITY OF GREAT FALLS  
COMMISSION AGENDA REPORT**

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**Item:** Professional Services Contract: Water Treatment Plant Facility Upgrades, O. F. 1519.0

**From:** Engineering Division

**Initiated By:** Public Works Department

**Presented By:** Jim Rearden, Public Works Director

**Action Requested:** Approve Professional Services Contract

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**Suggested Motion:**

1. Commissioner moves:

“I move the City Commission approve a Professional Services Contract between the City of Great Falls and Black and Veatch Corporation for engineering services for the Water Treatment Plant Facility Upgrades, O. F. 1519.0 for a fee not to exceed \$2,562,715.00, and authorize the City Manager to execute the agreement.”

2. Mayor calls for a second, discussion, inquiries from the public, and calls for the vote.

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**Staff Recommendation:** Approve Professional Services Contract.

**Background:**

Significant Impacts

City Staff has negotiated a professional services contract with Black and Veatch to evaluate and design infrastructure upgrades recommended at the Water Treatment Plant from the 2006 Water Master Plan.

Workload Impacts

Black and Veatch, along with their partner firms Thomas Dean and Hoskins (TD&H) and L’Heureux Page Werner (LPW), will complete a preliminary study on recommended infrastructure upgrades to the Water Treatment Plant from the 2006 Water Master Plan and then will proceed with the design and the construction phases of those upgrades. City engineering and treatment staff will assist with project administration duties.

### Purpose

Electrical switchgear at the Water Plant is over fifty years old and has outlived its useful life. Replacement parts are difficult to find and must be specially manufactured causing long lead times and allowing for the possibility of extended equipment outages. New electrical switchgear equipment will be installed while the existing equipment remains in operation to allow the plant to run without interruption. The new switchgear equipment will be located in the existing break room and restroom facilities. An administration building will be built to better centralize plant staff, provide a break and conference room, provide restroom and shower facilities, and allow for a visitor entrance. The ammonia feed system at the plant is also undersized based on Montana Department of Environmental Quality (MDEQ) standards and needs to be upsized and relocated to an area to better serve the treatment process. A new chemical feed building will be constructed for the ammonia system and will also allow for future chemical feeds to be added to meet any future MDEQ standards. Ultra Violet (UV) disinfection will be evaluated to add to the new chemical feed building as well to better meet current MDEQ standards. Another recommended upgrade from the 2006 Water Master Plan is removing Low Service Pumps 1 through 4 which are located below the flood level of the plant from service, and evaluating the replacement of those pumps above the level of flooding.

### Project Work Scope

The Black and Veatch team will complete evaluations of the recommended upgrades and submit preliminary engineering reports on those upgrades. With City Staff concurrence, Black and Veatch will proceed with the design phase of the accepted infrastructure upgrades and conduct bidding and construction phase services for the project.

### Evaluation and Selection Process

The team led by Black and Veatch was selected for this project based on the engineering selection policy used by the City of Great Falls. An invitation to submit proposals was advertised in the Tribune detailing the project, selection process, submittal deadline and interview dates. Two consultant teams submitted written proposals and each gave a presentation to a selection committee of Public Works staff. Based on these proposals and presentations, the Black and Veatch/ TD&H/ LPW team scored the highest based on their ability to complete the work and past performance with similar projects. The professional services contract was then negotiated. Black and Veatch is a national firm with the majority of their work to be carried out by its offices and staff located in Denver, Colorado and Kansas City, Missouri. TD&H is a Montana based firm and has several offices located throughout Montana, with their main office located in Great Falls. TD&H's workload will be completed entirely by staff located in Montana. LPW is a Great Falls based architecture firm and their workload will be completed by staff located in Great Falls.

### Conclusion

City staff recommends approval of the Professional Services Contract to Black and Veatch in the amount of \$2,562,715.00.

### **Fiscal Impact**

This contract will be funded through Water Capital Funds.

**Alternatives:**

The City Commission could vote to deny the approval of the Professional Services Contract.

**Attachments/Exhibits:**

1. Professional Services Contract. (Not available online; on file in City Clerk's Office.)